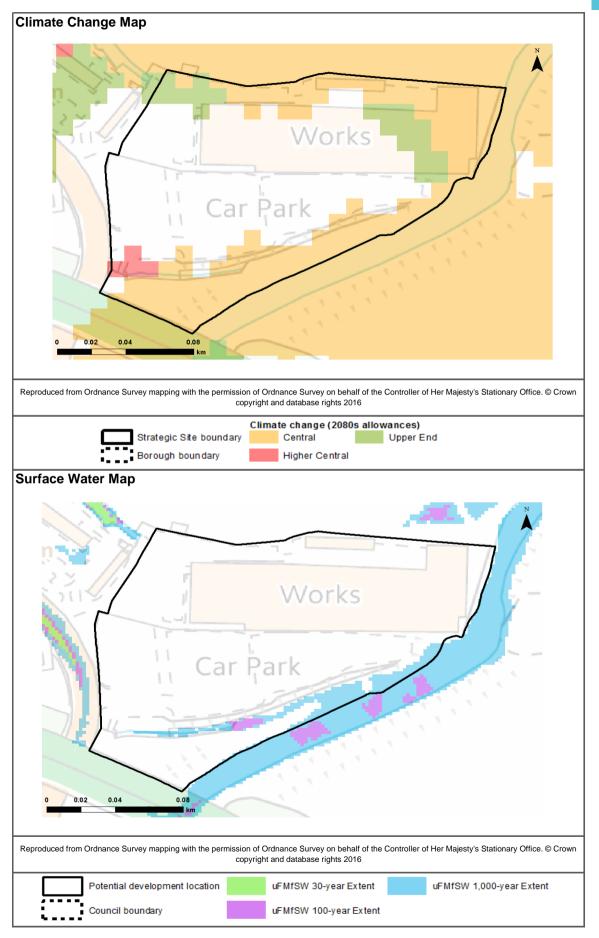
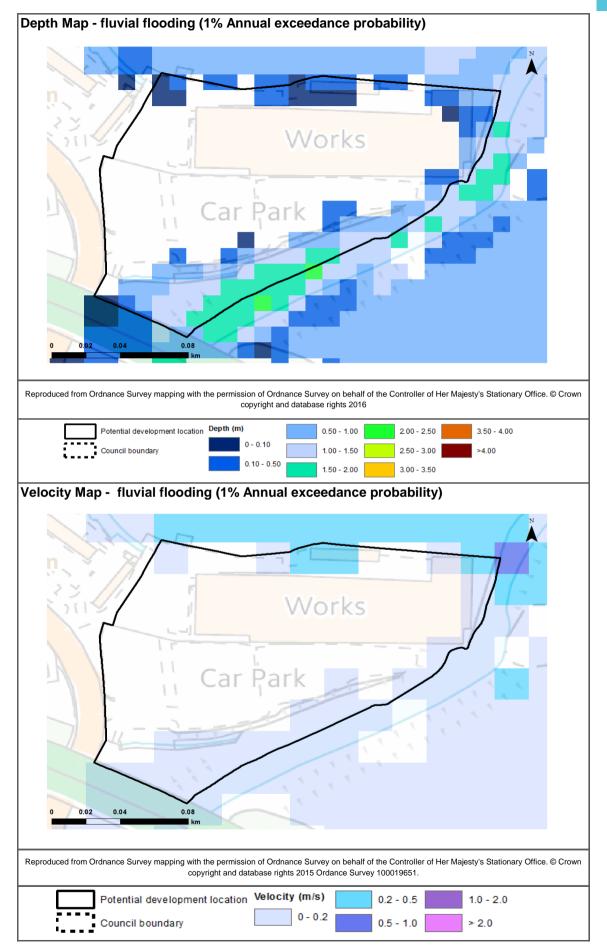
		, Godmanchest		
OSNGR: 524490,271381	Area: 2.57ha		Brownfield	
Flood Zone Coverage:	FZ3b	FZ3a	FZ2	FZ1
Sources of flood risk:	24%	3%	7%	66%
The site is potentially at risk from floodir bast the eastern boundary of the site wh site. However, interaction between the t contribute to fluvial flood risk at the site. Surface water flood risk to the site is min	ilst the River Great C wo watercourses me	Duse is located furth eans either watercou	her away to the nor lirse, or both watero	th and west of the courses, could
Exception Test Required?				
Yes, if More Vulnerable and Essential In development located in FZ2.	frastructure develop	ment is located in F	Z3a and for Highly	Vulnerable
Highly Vulnerable infrastructure should r	not be permitted with	in FZ3a and FZ3b.		
More Vulnerable and Less Vulnerable In Essential Infrastructure in Flood Zone 3		•	nin FZ3b.	
Flood Zone Map				
				N
				A .
2.///	1	Varles		
	V	Vorks		11 57
			1	1 1
11	Cour Doul			1-
	lar Fari			1 × 1
				1 A A A A A A A A A A A A A A A A A A A
0 0.0175 0.035 0.77 km				
0 0.0175 0.035 0.77 km				
km				
Reproduced from Ordnance Survey mapping with th	e permission of Ordnance S copyright and data		ntroller of Her Majesty's 4	Stationary Office. © Crow
Reproduced from Ordnance Survey mapping with th	copyright and data	base rights 2016	ntroller of Her Majesty's	
km	ion Flood			Stationary Office. © Crown

JBA consulting

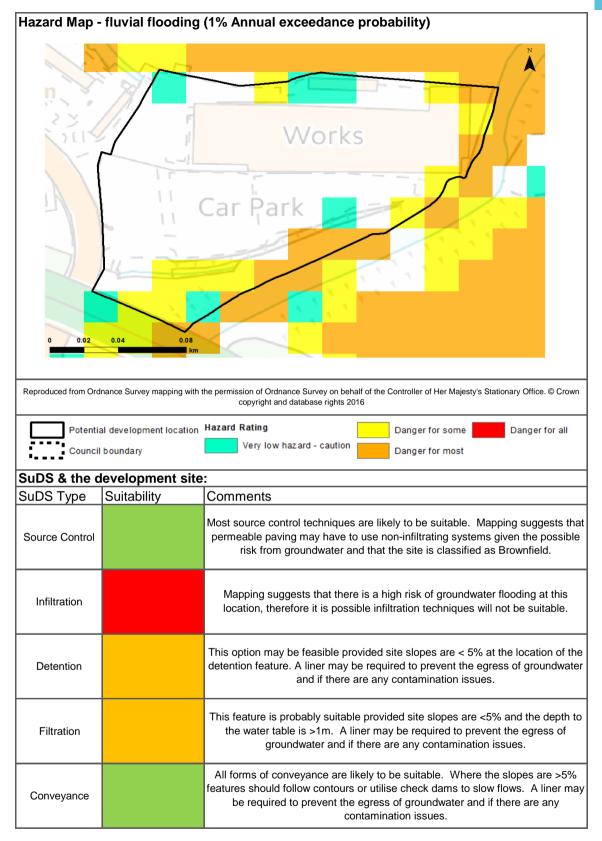












Drainage strategies should demonstrate that an appropriate number of treatment stages have been delivered. This depends on the factors such as the type of development, primary source of runoff and likelihood of contamination. Guidance should be sought from the LLFA and other guidance documents such as the CIRIA SuDS Manual (C753).

## Flood Defences:

There are no flood defences at this site.

# **Emergency Planning:**

This site is partially covered by the Huntingdon and Hartford Flood Warning Area

### Access & Egress:

The B1044 is the only access and agress route from the site and is at risk from fluvial flooding to the north and to the south of the site.

### **Climate Change:**

The floodplains of the Cooks Stream and River Great Ouse appear to be fairly constrained within this area - there is not much difference in extent between the 1% AEP event and the 1% AEP event with the 2080s climate change

allowances applied. Therefore, it is likely that climate change will not have a significant impact on the extent of flooding from these watercourses. It may, however, increase the depth of flooding in the area affected.

Climate change may also increase the extent, depth and frequency of surface water flooding in the future.

## Implications for Development:

Use of the Sequential Approach will be required to place vulnerable development outside of high risk areas. Safe access and egress is potentially an issue as the B1044 is affected by fluvial flooding to the north and the south of the site. Climate change may increase the extent of surface water flooding in the future and have the potential to affect routes further.

Broadscale assessment of suitable SuDS has indicated a number of different types may be possible; however, given the size of the site and the proportion of the site at risk from flooding, the type of SuDS system used may be influenced by amount of land available; depending on the system used there may be an impact on the amount of land available for development and the cost of development.

The site is not covered by the Environment Agency's Flood Warning Service. The Hen Brook is classed as Ordinary Watercourse in this location and, as the Flood Warning Service is limited to Main River, it is unlikely a Flood Warning Service would be offered in this area in the future.

The site is not known to benefit from any flood defences. Given the size and location of the site, it is unlikely the site itself could be used to implement strategic solutions to alleviate flood risk elsewhere in the catchment.

### **Guidance for Developers:**

Mapping in this table is based on results from the Environment Agency's Downstream Ouse 1D-2D model.

At the planning application stage, a site-specific flood risk assessment will be required if any development is located within Flood Zones 2 and 3. Other sources of flooding should also be considered. Where a site specific FRA has produced modelling outlines which differ from the Flood Map for Planning then a full evidence based review would be required; where this is acceptable to the EA then amendments to the Flood Map for Planning may take place. Resilience measures will be required if buildings are situated in the flood risk area.

The peak flows on the River Great Ouse should be considered when considering drainage.

Assessment for runoff should include allowance for climate change effects.

New or re-development should adopt exemplar source control SuDS techniques to reduce the risk of frequent low impact flooding due to post-development runoff.

Onsite attenuation schemes would need to be tested against the hydrographs of the River Great Ouse to ensure flows are not exacerbated downstream within the catchment.

Safe access and egress will need to be demonstrated; currently access and egress is affected by surface water flooding and fluvial flooding from a 5% AEP event.

New development must seek opportunities to reduce overall level of flood risk at the site, for example by:

o Reducing volume and rate of runoff

- o Relocating development to zones with lower flood risk
- o Creating space for flooding.
- o Green infrastructure should be considered within the mitigation measures for surface water runoff from potential development and consider using Flood Zones 2 and 3 as public open space.

Consultation with the Local Authority and the Environment Agency should be undertaken at an early stage.

JBA